

**PROJECT WET
PROJECT LEARNING TREE & PROJECT WILD**

GRADUATE CREDIT-INDIANA UNIVERSITY-BLOOMINGTON

COURSE NUMBER

Q-590

Research in the Teaching of Science Education
1, 2, or 3 hour credit.

PROCEDURE

1. Complete Study Contract and send to:

2. Hans O. Andersen
Science & Environmental Education
3072 W. W. Wright Education Bldg.
Bloomington, IN 47405-1006
(812) 852-8130
andersen@indiana.edu

Dr. Andersen will respond directly to you with approval
and/or recommendations.

3. Send all paperwork to Dr. Andersen.

4. You will be enrolled in the second summer session and
receive your grade at the end of August. If you need your
grade sooner, please contact Dr. Andersen at the above
address or phone number for assistance.

5. You will be invoiced in July by Indiana University for your
tuition. Please contact the Registrar's Office or the
Department of Science and Environmental Education for
current fees.

Usually student will begin this course of study at the Indiana Residential
Conservation Camp for Teachers. Ideally a person would complete the
study contract this summer, use, Project WET , Project WILD or Project
Learning Tree with their students the next school year and then sign up
and pay for the course the next summer.

**GRADUATE CREDIT
INDEPENDENT STUDY OPPORTUNITIES
IN
SCIENCE AND ENVIRONMENTAL EDUCATION
PROJECT WET - PROJECT LEARNING TREE - PROJECT WILD
I.U. BLOOMINGTON**

The faculty of the Department of Science and Environmental Education is pleased to offer independent study opportunities for students interested in pursuing action research involving the development, implementation or evaluation of science and environmental education projects in their schools. If you are interested in pursuing serious independent study and earning up to 1-3 graduate credits, continue reading. Six steps are necessary.

1. Obtain the paper. Graduate credit: Independent Study Opportunities in Science and Environmental Education.
2. Identify an option you would like to pursue.
3. Define specifically what you intend to accomplish.
4. Negotiate an independent study credit hour contract with a faculty member in the Department of Science and Environmental Education.
5. Keep in touch with your professor by phone, letter or mail.
6. Complete the study YOU proposed that was approved by an I.U. Faculty member.

Here are examples of some of the options you may pursue:

-Design an implementation plan for science or environmental education project for your school's existing curriculum, implement it and evaluate its effectiveness.

-Design and draw an outdoor lab plan for your school to be used in conjunction with one of the environmental education curricula: (PLT, WILD, WET, etc.)

-Document your use of developed or selected science and environmental education materials in your school (Paper, slide/tape, video, or multimedia.

-Conduct pre and post testing of students' levels of knowledge or attitudes after use of the materials you used. (Essentially, answer three questions: What I did? What I observed? What effect it had on my students?).

Of course, a major question posed by many busy teachers is "How much is a credit's worth of work?" We define the minimum as approximately forty (40) hours of serious study. That is 120 hours if you want three credits. However, it is credits you can earn doing something of high quality that you can use in your teaching environment. As always, Quality is more important, than Quantity.

In general, but more specifically, to earn:

1 credit hour - (40 hours) Design (or revise existing materials for use) and implement some new science or environmental educational experience with students. (Answer three questions: What I did? What I observed? What I think it means?)

2 credit hours- (80 hours) Extend your efforts and expend 80 hours doing the things you might have completed for one credit hour.

3 credit hours - (120 hours)

As you can see from the description, we are interested in working with teachers who want to implement and evaluate materials they have developed or adopted for their students. The specifics included here are suggested to permit you to visualize the independent study process. The objective is to allow you to receive graduate credit for action research in science or environmental education. We encourage you to propose alternatives should you choose.

If you are interested, you may begin by completing steps 1 and 2. A form is attached for your convenience.

**I U INDEPENDENT STUDY CONTRACT
SCIENCE AND ENVIRONMENTAL EDUCATION**

**Education 3109
Indiana University
Bloomington, Indiana 47405-1006**

Name: Last First Middle Social Security No.

Home Address City State Zip Code

Business Phone Home Phone

Business Address City State Zip Code

Topic of Study _____

Specific Accomplishments: Specifically, what will you do?
(You are invited to elaborate on an attached pages(s)!)

1. _____

2. _____

3. _____

4. _____

Beginning Date _____ Ending Date _____

If you are planning a 2 or 3 credit study, how will you keep in contact with your professor?
____ by telephone and letter ____ by campus visits and letter ____ by e-mail

Number of hours agreed upon by student and professor. 1 2 3

Professor signature

Student Signature

(STUDENT COPY)

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SCIENCE AND ENVIRONMENTAL EDUCATION**

**Education 3109
Indiana University
Bloomington, Indiana 47405-1006**

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Home Address City State Zip Code

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Professor signature

Student Signature

(FACULTY COPY)